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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOX 349
LEWISTOWN, MONTANA

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

VOL. VIII, No. 11. THURBER'S HELENA November, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1960, averaged 83,633 barrels daily, a decrease of 202 barrels from the average October production of 83,835.

The nine refineries in the State processed 73,611 barrels of crude oil daily for the month of November, 1960, an increase of 9,164 barrels from the 64,447 barrels processed daily during the month of October, 1960.

During November, 35 wells were completed, 9 oil, 2 gas wells and 24 dry holes.

During November, the Commission issued 46 permits to drill new wells, an increase of 15 from the 31 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF NOVEMBER, 1960

IN STORAGE NOVEMBER 1st:

By Producers	367,605
By Transporters	553,484
By Refiners	751,041
TOTAL STORAGE	1,672,130
Produced in Montana During Month	2,508,993
Imported During Month	1,237,340
TOTALS	5,418,463

DISPOSITION:

Refined in Montana	2,208,343
Exported	1,775,956
Used for Fuel or Lost	5,643
TOTAL	3,989,942

IN STORAGE NOVEMBER 30th:

By Producers	354,543
By Transporters	558,121
By Refiners	515,857
TOTAL STORAGE	1,428,521

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1960

Field	M Cu. Ft.
Bears Den	0
Big Coulee	96,200
Bowdoin	749,491
Bowes	130,141
Box Elder	6,279
Cabin Creek	88,799
Cedar Creek	592,261
Clarks Fork	16,648
Cut Bank (including Reagan)	1,342,502
Devon	0
Dry Creek	201,676
Elk Basin	65,778
Flat Coulee	1,700
Golden Dome	1,313
Grandview	0
Hardin	4,548
Keith Block	329,996
Kevin Sunburst	103,285
Pine	73,303
Plevna	14,754
Utopia	79,530
Whitlash	101,993
Miscellaneous	53,953
TOTAL	4,054,150

Total Withdrawals for November, 1959 were 3,857,481 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF NOVEMBER, 1960

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	753	2,485		2,696		542
3	Bannatyne	8	1,685	1,506		2,114	10	1,067
1	Belfry	1	173	1,426		1,483		116
11	Big Wall	25	1,884	20,895		19,992	120	2,667
11	Blackfoot	15	3,884	9,283		9,963	(12)	3,216
4	Border	4		760		760		
20	Bowes	80	4,166	21,481	21,391			4,256
	Bredette		1,113					1,113
2	Bredette, North	2	1,317	1,392	1,404			1,305
4	Brorson	4	5,658	4,251	3,827			6,082
2	Cabin Creek	104	6,846	373,973	373,377		771	6,671
24	Cat Creek	96	5,388	17,068	15,605	2,686	23	4,142
	Clark's Fork		183					183
2	Clark's Fork, North	3	2,524	11,000		11,000		2,524
1	Cupton	2	319	634				953
345	Cut Bank	1,069	120,009	177,313	175,577		252	121,493
3	Deer Creek	6	1,672	12,728	12,191			2,209
3	Delphia	3	1,079	938		1,010	160	847
	Devil's Basin		1,018				129	889
4	Dry Creek	4	837	2,873	2,433			1,277
3	Dwyer	3	2,736	8,434		8,663		2,507
7	Elk Basin	54	3,318	226,177	225,973			3,522
	Fertile Prairie		1,039					1,039
2	Frannie	2	602	1,641	1,641			602
2	Gage	2	972	855		933	39	855
3	Gas City	9	4,696	15,330	16,689			3,337
6	Glendive	11	5,989	35,984	35,927			6,046
3	Gypsy Basin	4	1,256	612	682			1,186
10	Ivanhoe	21	6,045	43,653	4,402	38,491	22	6,783
4	Keg Coulee	6	5,701	51,616	17,586	36,632		3,099
181	Kevin Sunburst	1,094	17,563	57,940	58,874		2	16,627
1	Little Beaver	14	3,280	23,131	23,006			3,405
4	Little Beaver, East	12	4,958	20,669	22,759			2,868
4	Melstone	9	2,233	2,593		2,909		1,917
5	Monarch	13	3,848	32,955	32,392			4,411
3	Mosser	5	244	587		560		271
7	Outlook	11	5,363	45,377	43,268			7,472
3	Outlook, South	3	1,871	4,076	3,565			2,382
10	Pennel	19	7,639	58,668	60,157			6,150
5	Pine	143	12,628	414,926	414,223			13,331
80	Pondera	324	9,831	41,868	43,888			7,811
7	Poplar, East	93	19,878	243,781	243,058		249	20,352
3	Poplar, Northwest	4	1,695	1,948	2,594			1,049
4	Ragged Point	10	4,191	12,285		13,408		3,068
4	Reagan	50	2,965	15,254	15,150			3,069
9	Red Creek	16	4,033	29,395		29,643	406	3,379
1	Redstone	1	392	1,181	660			913
1	Repeat	1	809	3,600	3,687			722
6	Richey	12	3,369	17,311	14,127			6,553
2	Richey, Southwest	2	1,267	6,093	5,271			2,089
1	Roosevelt County	1	567	10,008	10,275			300
2	Rosebud County	2	791	4,912		4,838		865
6	Sand Creek	7	4,000	21,016	19,388		73	5,555
2	Snyder	4	430	2,008		1,785	206	447
4	Soap Creek	17	5,302	4,723		6,898		3,127
10	Stensvad	26	11,908	131,902	133,400			10,410
1	Sttillwater County	1	111	1,000	458			653
27	Sumatra	87	17,918	185,440	172,652	11,927	61	18,718
5	Sweetgrass Hills	5	621	3,863		3,697		787
7	Whitlash	27	15,418	1,905	772	10,978		5,573
8	Wills Creek	14	4,591	36,792	37,189			4,194
10	Wolf Springs	18	4,552	25,414	25,311		241	4,414
2	Woodrow	2	477	2,064	1,408			1,133
906		3,589	367,605	2,508,993	2,296,237	223,066	2,752	354,543

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
Second Quarter, 1960	7,277,871	79,976	7,265,563	79,841
Third Quarter, 1960	7,739,553	84,126	7,760,515	84,353
October, 1960	2,598,889	83,835	2,584,832	83,382
November, 1960	2,508,993	83,633	2,519,303	83,976

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
June, 1960	386,082	646,801	795,779	1,828,662
September, 1960	354,020	539,927	596,757	1,490,704
October, 1960	367,605	553,484	751,041	1,672,130
November, 1960	354,543	558,121	515,857	1,428,521

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF NOVEMBER, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,696				2,696		
BANNATYNE—Truck			2,114			2,114			
BELFRY—Truck			1,483				1,483		
BIG WALL—Truck			19,992			19,992			
BLACKFOOT—Union Oil Co.			9,963			9,963			
BORDER—Truck			760			760			
BOWES—									
Trigood Oil Co.	2,710	2,969			116	2,918			2,645
Texaco, Inc.		18,422				18,422			
	2,710	21,391			116	21,340			2,645
BRORSON—Sun Oil Co.		3,827					3,827		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	304,576	928,613		506,272			1,421,621		317,840
Shell Pipe Line Corp.	4,479	162,351			(1,078)			166,294	1,614
	309,055	1,090,964		506,272	(1,078)		1,421,621	166,294	319,454
CAT CREEK—									
Continental Pipe Line Co.	7,113	15,605			(25)	15,475			7,268
Truck			2,686			2,686			
	7,113	15,605	2,686		(25)	18,161			7,268
CLARK'S FORK—Truck			11,000				11,000		
CUT BANK—									
Big West Oil Co.				30,412		30,412			
Darling Gathering System, Inc.	2,319	10,414						9,076	3,657
Phillips Petroleum Co.	31,540	55,470		25,813	536	63,972			48,315
Texas Pipe Line Co.	29,921	27,102		18,611	1,095	6,065		47,079	21,395
Toronto Pipe Line Co.	19,068	43,755			(144)			37,859	25,108
Union Oil Co.	66,088	58,974		13,824	(801)	87,930			51,757
	148,936	195,715		88,660	636	183,379		94,014	150,232
DELPHIA—Truck			1,010			1,010			
DRY CREEK—									
Marathon Pipe Line Co.	8,398	2,432			356			3,365	7,609
DWYER—Truck			8,663				8,663		
ELK BASIN—Ohio Oil Co.		225,973					225,973		
FRANNIE—Ohio Oil Co.		1,641					1,641		
GAGE—Truck			933			933			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	7,795	68,914			473		58,658	14,611	2,967
IVANHOE—									
Crude Oil Pipeline, Inc.		4,402					4,402		
Truck			38,491				38,491		
		4,402	38,491				42,893		
KEG COULEE—									
Crude Oil Pipeline, Inc.		17,586					17,586		
Truck			36,632			4,891	31,741		
		17,586	36,632			4,891	49,327		
KEVIN-SUNBURST—									
Big West Oil Co.	2,072	40,751				40,752			2,071
Homestake Oil & Gas Co.	(71)	1,526		9,076		10,363			168
The Texas Pipe Line Co.	4,077	28,112			(824)	28,936			4,077
	6,078	70,389		9,076	(824)	80,051			6,316
MELSTONE—Truck			2,909			2,909			
MOSSER—Truck			560				560		
PONDERA—Phillips Petr. Co.	11,372	46,683			196	41,881			15,978
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, REDSTONE, RICHEY & UNNAMED ROOSEVELT COUNTY—									
East Poplar Gathering System	17,780	316,436			925			325,724†	7,567
RAGGED POINT—Truck			13,408			13,408			
REAGAN—Union Oil Co.		15,150				15,150			
RED CREEK—Truck			29,643			17,249	12,394		
SNYDER—Truck			1,785				1,785		
SOAP CREEK—Truck			6,898				6,898		
SUMATRA AND STENSVAD—									
Crude Oil Pipeline, Inc.	23,872	306,052			(317)	161,565	139,676		29,000
Truck			11,927			11,927			
	23,872	306,052	11,927		(317)	173,492	139,676		29,000
SWEETGRASS HILLS—Truck			3,697			3,697			
WHITLASH—									
Homestake Oil & Gas Co.	407	772				793			386
Western Natural Gas Co.	2,014					1,826			188
Truck			10,978			10,978			
	2,421	772	10,978			13,597			574
WOLF SPRINGS—									
Crude Oil Pipeline, Inc.	7,454	25,362			1,236	23,069			8,511
UNNAMED—Rosebud Cty., Truck			4,838				4,838		
TOTALS	553,484	2,429,294	223,066	604,008	1,744	652,046	1,993,933	604,008	558,121

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF NOVEMBER, 1960

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									7,770	7,770
Bowes			15,506							15,506
Cat Creek		12,508		2,870		4,826				20,204
Cut Bank	26,690						63,583	68,131	72,953	231,357
Delphia						29				29
Dry Creek				2,792						2,792
Elk Basin		50,883			113,283					164,166
Gage				293						293
Ivanhoe						94				94
Keg Coulee						8,828				8,828
Kevin-Sunburst	39,221							93,352		132,573
Melstone				12,335						12,335
Pondera							41,967			41,967
Reagan									214	214
Red Creek									5,799	5,799
Sumatra		291		174,734	119,448	329				294,802
Whitlash									1,132	1,132
Wolf Springs					31,142					31,142
Total Montana Oil	65,911	63,682	15,506	193,024	263,873	14,106	105,550	161,483	87,868	971,003
Canadian Oil Imported									1,972	1,972
Wyoming Oil Imported		285,303		420,216	529,849					1,235,368
TOTAL Mont., Canadian & Wyoming Oil	65,911	348,985	15,506	613,240	793,722	14,106	105,550	161,483	89,840	2,208,343

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
November, 1959	33,143	29	41,935	75,107
November, 1960	32,366	67	41,178	73,611

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
44.12%	.05%	55.83%
43.96%	.10%	55.94%